



SEQUENCE LISTING

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Cruickshank, William W.  
Kornfeld, Hardy

<120> IL-16 ANTAGONISTS

<130> 12875

<140> 09/368,630

<141> 1999-08-05

<160> 48

<170> PatentIn Ver. 2.1

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<220>

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<220>

<221> UNSURE

<222> (1)..(2)

<223> Xaa can be any amino acid

<220>

<221> UNSURE

<222> (3)

<223> Xaa is Arg or Lys

<400> 1

Xaa Arg Xaa Xaa

1

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<400> 2

Arg Arg Lys Ser

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<223> Description of Artificial Sequence:Peptide

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Arg Arg Thr Ser

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<210> 4

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<223> Description of Artificial Sequence:Peptide

a' <400> 4

Lys Arg Lys Ser

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Arg Arg Ala Ser

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Arg Arg Lys Ala

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<400> 7

Arg Arg Thr Ala

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<220>

<221> UNSURE

<222> (1)..(2)

<223> Xaa can be any amino acid

<220>

<221> UNSURE

<222> (3)

<223> Xaa is Arg or Lys

<400> 8

Xaa Xaa Xaa Arg

1

<210> 9

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<223> Description of Artificial Sequence:Peptide

<400> 9

Val Ile Arg Arg

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<400> 10

Val Leu Arg Arg

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<210> 11

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<400> 11

Val Ile Lys Arg

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<222> (2)

<223> Xaa is Arg or Lys

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<223> Xaa can be any amino acid

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Xaa Xaa Arg Xaa

1

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Ile Arg Arg Lys

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<400> 14

Ile Arg Arg Thr

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<210> 15

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<223> Description of Artificial Sequence:Peptide

<400> 15

Leu Arg Arg Lys

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<210> 16

<211> 4

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<223> Description of Artificial Sequence:Peptide

<400> 16

Ile Lys Arg Lys

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<210> 17

<211> 6

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<400> 17

Arg Arg Lys Ser Leu Gln

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<210> 18

<211> 6

<212> PRT

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<223> Description of Artificial Sequence:Peptide

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Arg Arg Thr Ser Leu Gln

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<210> 19

<211> 6

<212> PRT  
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Arg Arg Lys Ser Cys Met  
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Arg Arg Ala Ser Leu Gln  
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Arg Arg Lys Ala Leu Gln  
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<223> Description of Artificial Sequence:Peptide

<400> 23  
Arg Arg Thr Ala Leu Gln  
1 5

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Arg Arg Lys Ser Leu Gln Ser Lys  
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Arg Arg Thr Ser Leu Gln Cys Lys  
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<400> 26

Arg Arg Lys Ser Leu Gln Pro Lys

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5

<210> 27

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Peptide

<400> 27

Arg Arg Lys Ser Cys Met Ser Lys

1

5

<210> 28

<211> 8

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 28

Lys Arg Lys Ser Met Gln Ser Lys

1

5

<210> 29

<211> 8

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<223> Description of Artificial Sequence:Peptide

<400> 29

Arg Arg Ala Ser Leu Gln Ser Lys

1

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<210> 30

<211> 8

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 30

Arg Arg Lys Ala Leu Gln Ser Lys

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<210> 31

<211> 8

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 31

Arg Arg Thr Ala Leu Gln Cys Lys

1

5

<210> 32

<211> 8

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 32

Arg Arg Ala Ser Leu Gln Cys Lys

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<210> 33

<211> 16

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 33

Arg Arg Lys Ser Leu Gln Ser Lys Glu Thr Thr Ala Ala Gly Asp Ser

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5

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15

<210> 34  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Peptide

<400> 34  
Arg Arg Thr Ser Leu Gln Cys Lys Gln Thr Thr Ala Ser Ala Asp Ser  
1 5 10 15

<210> 35  
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<220>  
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<400> 35  
Arg Arg Ala Ser Leu Gln Ser Lys Glu Thr Thr Ala Ala Gly Asp Ser  
1 5 10 15

<210> 36  
<211> 16  
<212> PRT  
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<400> 36  
Arg Arg Lys Ala Leu Gln Ser Lys Glu Thr Thr Ala Ala Gly Asp Ser  
1 5 10 15

<210> 37  
<211> 16  
<212> PRT  
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<223> Description of Artificial Sequence:Peptide

<400> 37

Arg Arg Thr Ala Leu Gln Cys Lys Gln Thr Thr Ala Ser Ala Asp Ser  
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<210> 38

<211> 16

<212> PRT

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<223> Description of Artificial Sequence:Peptide

<400> 38

Arg Arg Ala Ser Leu Gln Cys Lys Gln Thr Thr Ala Ser Ala Asp Ser  
1 5 10 15

<210> 39

<211> 121

<212> PRT

<213> Homo sapiens

<400> 39

Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Glu Ser Thr  
1 5 10 15

Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Ala Gly  
20 25 30

Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys  
35 40 45

Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser  
50 55 60

Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu Gly Gly Thr Ala  
65 70 75 80

Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala Leu  
85 90 95

Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln Ser  
100 105 110

Lys Glu Thr Thr Ala Ala Gly Asp Ser  
115 120

<210> 40  
<211> 118  
<212> PRT  
<213> Mus musculus

<400> 40  
Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Ile Ser Val Glu Ser Lys  
1 5 10 15  
Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Thr Ser Ala Gly Leu  
20 25 30  
Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys Pro  
35 40 45  
Leu Thr Ile Asn Arg Ile Phe Lys Gly Asp Arg Thr Gly Glu Met Val  
50 55 60  
Gln Pro Gly Asp Glu Ile Leu Gln Leu Ala Gly Thr Ala Val Gln Gly  
65 70 75 80  
Leu Thr Arg Phe Glu Ala Trp Asn Val Ile Lys Ala Leu Pro Asp Gly  
85 90 95  
Pro Val Thr Ile Val Ile Arg Arg Thr Ser Leu Gln Cys Lys Gln Thr  
100 105 110  
Thr Ala Ser Ala Asp Ser  
115

<210> 41  
<211> 121  
<212> PRT  
<213> Chlorocebus aethiops

<400> 41  
Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Glu Ser Ser  
1 5 10 15  
Ala Glu Ala Thr Val Tyr Thr Val Thr Leu Glu Lys Met Ser Ala Gly  
20 25 30  
Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys  
35 40 45  
Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser

50

55

60

Glu Thr Ile Gln Pro Gly Asp Glu Ile Leu Gln Leu Ala Gly Thr Ala  
65 70 75 80

Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala Leu  
85 90 95

Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln Pro  
100 105 110

Lys Glu Thr Thr Ala Ala Ala Asp Ser  
115 120

&lt;210&gt; 42

&lt;211&gt; 121

&lt;212&gt; PRT

&lt;213&gt; Macaca fascicularis

&lt;400&gt; 42

Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Glu Ser Ser  
1 5 10 15

Ala Glu Ala Thr Val Tyr Thr Val Thr Leu Glu Lys Met Ser Ala Gly  
20 25 30

Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys  
35 40 45

Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser  
50 55 60

Glu Thr Ile Gln Pro Gly Asp Glu Ile Leu Gln Leu Ala Gly Thr Ala  
65 70 75 80

Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala Leu  
85 90 95

Pro Asp Gly Pro Val Thr Thr Val Ile Arg Arg Lys Ser Leu Gln Pro  
100 105 110

Lys Glu Thr Thr Ala Ala Ala Asp Ser  
115 120

&lt;210&gt; 43

&lt;211&gt; 118

<212> PRT

<213> Bos primigenius indicus

<400> 43

Ser Ser Gly Ser Ala Ser Val Asp Ser Glu Ser His Arg Ile Arg Glu  
1 5 10 15

Ala Thr Val Cys Thr Val Thr Leu Glu Lys Thr Ser Ala Gly Leu Gly  
20 25 30

Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys Leu Leu  
35 40 45

Thr Val Asn Arg Ile Leu Lys Gly Trp Leu Glu Gln Ser Asp Thr Val  
50 55 60

Gln Pro Gly Asp Glu Ile Val His Leu Ala Gly Thr Ala Met Gln Asp  
65 70 75 80

Leu Thr Arg Phe Glu Glu Trp Asn Ile Ile Lys Ala Leu Pro Asp Gly  
85 90 95

Pro Val Thr Ile Val Leu Arg Arg Lys Ser Cys Met Ser Lys Gly Thr  
100 105 110

Pro Ala Ala Gly Asp Pro  
115

<210> 44

<211> 120

<212> PRT

<213> Saimiri sciureus

<400> 44

Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Asp Ser Thr  
1 5 10 15

Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Gly Gly  
20 25 30

Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu Gln Gly Asp Lys  
35 40 45

Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser  
50 55 60

Glu Thr Val Gln Pro Gly Asp Glu Ile Leu His Leu Ala Gly Thr Ala





<220>

<223> Description of Artificial Sequence:Peptide

<400> 46

Glu Thr Thr Ala Ala Gly Asp Ser

1

5

<210> 47

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide

<400> 47

Arg Ser Gln Arg Leu Lys

1

5

<210> 48

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide

<400> 48

Leu Gln Ser Lys

1